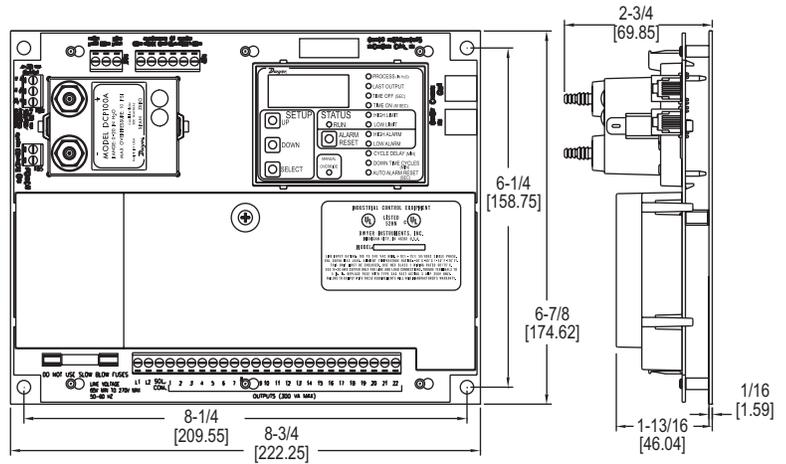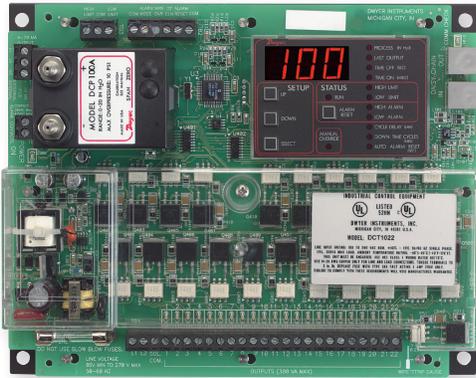**Dwyer**

SERIES DCT1000

DUST COLLECTOR TIMER CONTROLLER
Modular Design, User Friendly, Up to 22 Channels

c(UL)us
LISTED

The **SERIES DCT1000** Dust Controller Timer Controller simplifies on-demand cleaning requirements by eliminating the need for external devices such as pressure switches, relays, and timers. The modular design allows for use as a continuous cleaning control or on-demand cleaning control using the optional plug-in pressure module. The DCT1000 is the same size for 6, 10, and 22 channels, allowing one board size to be the standard on one enclosure.

FEATURES/BENEFITS
• Universal power requirements for both domestic and overseas use
• Standard mounting holes to other dust collector controllers for use in existing installations
• Able to automatically detect any channel expander connected

APPLICATIONS
• Dust collection
• Pneumatic conveying

SPECIFICATIONS

DCT1000 TIMER CONTROLLER
Output Channels: 6, 10, & 22 channels. Expandable to 255 channels using DCT1122 & DCT1110 channel expander boards.
Power Requirements: 85 to 270 VAC, 50 or 60 Hz.
Power Consumption: 5 W.
Solenoid Supply: 3 A max per channel.
Fuse: 3 A @ 250 VAC. Low voltage control circuitry is isolated from the line voltage for system safety.
Temperature Limits: -40 to 140°F (-40 to 60°C).
Storage Temperature Limits: -40 to 176°F (-40 to 80°C).
On Time: 10 ms to 600 ms, 10 ms steps.
On Time Accuracy: ±10 ms.
Off Time: 1 s to 255 s, 1 s steps.
Off Time Accuracy: ±1% of the value or ±50 ms, whichever is greater.
Weight: 1 lb 3.0 oz (538.6 g).
Agency Approvals: cULus.

DCP PRESSURE MODULE
Pressure Ranges: 10 in w.c. or 20 in w.c.
Temperature Limits: -40 to 140°F (-40 to 60°C).
Pressure Limit: 10 psi (68.95 kPa). Pressure Limit (differential): 10 psi (68.95 kPa).
Accuracy: ±1.5% FS @ 73°F (22.8°C).
Output Signal: 4 to 20 mA.
Alarm Contacts: 1.5 A inductive load, 3 A resistive load @ 30 VAC or 40 VDC.
Process Connections: Two barbed connections for use with 1/8″ (3.18 mm) or 3/16″ (4.76 mm) ID tubing.
Weight: 5.5 oz (155.9 g).

MODEL CHART

Model	Description	No. of Channels	D.P. Range
DCT1022	Master controller	22	-
DCT1010	Master controller	10	-
DCT1006	Master controller	6	-
DCT1122	Channel expander	22	-
DCT1110	Channel expander	10	-
DCP200A	Pressure module	-	20 in w.c.
DCP100A	Pressure module	-	10 in w.c.

OPTIONS

To order add suffix:	Description
-WP	Weatherproof housing only
-WPP	Weatherproof housing with pressure ports
-WPPS	Weatherproof housing with pressure ports, three position rotary switch installed
-EXPL	Explosion-proof housing
Note: Multiple boards stacked in enclosure.	

ACCESSORIES

Model	Description
DPMA-402	Process indicator
Note: DCA channel expander cable available in 1 ft, 2 ft, and 4 ft lengths.	

DCT in optional NEMA 4/4X weatherproof enclosure

DCT in optional Explosion-proof enclosure

DCAC02 cable connection for connecting multiple boards.

Master board stacked with channel expander